

brown rice, and which is intended for processing to milled rice.

§ 868.252 Definition of other terms.

For the purposes of these standards, the following terms shall have the meanings stated below:

(a) *Broken kernels.* Kernels of rice which are less than three-fourths of whole kernels.

(b) *Brown rice.* Whole or broken kernels of rice from which the hulls have been removed.

(c) *Chalky kernels.* Whole or broken kernels of rice which are one-half or more chalky.

(d) *Classes.* There are four classes of brown rice for processing.

Long Grain Brown Rice for Processing.
Medium Grain Brown Rice for Processing.
Short Grain Brown Rice for Processing.
Mixed Brown Rice for Processing.

Classes shall be based on the percentage of whole kernels, broken kernels, and types of rice.

(1) "Long-grain brown rice for processing" shall consist of brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and not more than 10.0 percent of whole or broken kernels of medium- or short-grain rice.

(2) "Medium-grain brown rice for processing" shall consist of brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and not more than 10.0 percent of whole or broken kernels of long-grain rice or whole kernels of short-grain rice.

(3) "Short-grain brown rice for processing" shall consist of brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and not more than 10.0 percent of whole or broken kernels of long-grain rice or whole kernels of medium-grain rice.

(4) "Mixed brown rice for processing" shall be brown rice for processing which contains more than 25.0 percent of whole kernels of brown rice and more than 10.0 percent of "other types" as defined in paragraph (i) of this section.

(e) *Damaged kernels.* Whole or broken kernels of rice which are distinctly discolored or damaged by water, insects, heat, or any other means (including

parboiled kernels in nonparboiled rice and smutty kernels). "Heat-damaged kernels" (see paragraph (f) of this section) shall not function as damaged kernels.

(f) *Heat-damaged kernels.* Whole or broken kernels of rice which are materially discolored and damaged as a result of heating and parboiled kernels in nonparboiled rice which are as dark as, or darker in color than, the interpretive line for heat-damaged kernels.

(g) *Milling yield.* An estimate of the quantity of whole kernels and total milled rice (whole and broken kernels combined) that is produced in the milling of brown rice for processing to a well-milled degree.

(h) *Objectionable seeds.* Whole or broken seeds other than rice, except seeds of *Echinochloa crusgalli* (commonly known as barnyard grass, watergrass, and Japanese millet).

(i) *Other types.* (1) Whole kernels of: (i) Long grain rice in medium or short grain rice and medium or short grain rice in long grain rice, (ii) medium grain rice in long or short grain rice, (iii) short grain rice in long or medium grain rice, (2) broken kernels of long grain rice in medium or short grain rice and broken kernels of medium or short grain rice in long grain rice.

NOTE: Broken kernels of medium grain rice in short grain rice and broken kernels of short grain rice in medium grain rice shall not be considered other types.

(j) *Paddy Kernels.* Whole or broken unhulled kernels and whole or broken kernels of rice having a portion or portions of the hull remaining which cover one-half (1/2) or more of the whole or broken kernel.

(k) *Red rice.* Whole or broken kernels of rice on which the bran is distinctly red in color.

(l) *Related material.* All by-products of a paddy kernel, such as the outer glumes, lemma, palea, awn, embryo, and bran layers.

(m) *Seeds.* Whole or broken seeds of any plant other than rice.

(n) *Smutty kernels.* Whole or broken kernels of rice which are distinctly infected by smut.

(o) *Types of rice.* There are three types of brown rice for processing:

Long grain
Medium grain
Short grain

Types shall be based on the length/width ratio of kernels of rice that are unbroken and the width, thickness, and shape of kernels of rice that are broken as prescribed in FGIS instructions.

(p) *Ungelatinized kernels.* Whole or broken kernels of parboiled rice with distinct white or chalky areas due to incomplete gelatinization of the starch.

(q) *Unrelated material.* All matter other than rice, related material, and seeds.

(r) *Well-milled kernels.* Whole or broken kernels of rice from which the hulls and practically all of the embryos and the bran layers have been removed.

(s) *Whole kernels.* Unbroken kernels of rice and broken kernels of rice which are at least three-fourths of an unbroken kernel.

(t) *6 plate.* A laminated metal plate 0.142-inch thick, with a top lamina 0.051-inch thick, perforated with rows of round holes 0.0938 ($\frac{3}{32}$) inch in diameter, and a bottom lamina 0.091-inch thick, without perforations.

(u) *6½ sieve.* A metal sieve 0.032-inch thick, perforated with rows of round holes 0.1016 ($\frac{6}{64}$) inch in diameter.

[13 FR 9479, Dec. 31, 1948, as amended at 44 FR 73008, Dec. 17, 1979; 47 FR 34516, Aug. 10, 1982; 54 FR 21403, 21406, May 18, 1989; 54 FR 51344, Dec. 14, 1989. Redesignated at 60 FR 16364, Mar. 30, 1995]

PRINCIPLES GOVERNING APPLICATION OF STANDARDS

§ 868.253 Basis of determination.

The determination of kernels damaged by heat, heat-damaged kernels, parboiled kernels in nonparboiled rice, and the special grade Parboiled brown rice for processing shall be on the basis of the brown rice for processing after it has been milled to a well-milled degree. All other determinations shall be on the basis of the original sample. Mechanical sizing of kernels shall be adjusted by handpicking as prescribed in FGIS instructions, or by any method which gives equivalent results.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982; 54 FR 21403, 21406, May 18, 1989. Redesignated at 60 FR 16364, Mar. 30, 1995]

§ 868.254 Broken kernels determination.

Broken kernels shall be determined by the use of equipment and procedures prescribed in FGIS instructions, or by any method which gives equivalent results.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982; 54 FR 21403, May 18, 1989. Redesignated at 54 FR 21406, May 18, 1989. Redesignated at 60 FR 16364, Mar. 30, 1995]

§ 868.255 Interpretive line samples.

Interpretive line samples showing the official scoring line for factors that are determined by visual observation shall be maintained by the Federal Grain Inspection Service, U.S. Department of Agriculture, and shall be available for reference in all inspection offices that inspect and grade rice.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982; 54 FR 21403, May 18, 1989. Redesignated at 54 FR 21406, May 18, 1989. Redesignated at 60 FR 16364, Mar. 30, 1995]

§ 868.256 Milling requirements.

In determining milling yield (see § 868.252(g)) in brown rice for processing, the degree of milling shall be equal to, or better than, that of the interpretive line sample for "well-milled" rice.

[42 FR 40869, Aug. 12, 1977. Redesignated at 21406, May 18, 1989. Redesignated and amended at 60 FR 16364, 16365, Mar. 30, 1995]

§ 868.257 Milling yield determination.

Milling yield shall be determined by the use of an approved device in accordance with procedures prescribed in FGIS instructions. For the purpose of this paragraph, "approved device" shall include the McGill Miller No. 3 and any other equipment that is approved by the Administrator as giving equivalent results.

NOTE: Milling yield shall not be determined when the moisture content of the brown rice for processing exceeds 18.0 percent.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982; 54 FR 21403, May 18, 1989. Redesignated at 54 FR 21406, May 18, 1989. Further redesignated at 60 FR 16364, Mar. 30, 1995]